WHAT IS CLAIMED IS:

- 1. A method of manufacturing a disc drive actuator, comprising steps of:
 - (a) manufacturing a disc drive actuator; and
 - (b) machining a peripheral surface of the actuator.
- 2. The method of claim 1 wherein machining step (b) comprises machining substantially an entire periphery of the actuator.
- 3. The method of claim 1 wherein machining step (b) comprises machining the peripheral surface of the actuator to a tolerance of 0.010 inches or less.
- 4. The method of claim 3 wherein machining step (b) comprises machining the peripheral surface of the actuator to a tolerance having a range from 0.005 inches to 0.010 inches.
- 5. The method of claim 3 wherein machining step (b) comprises machining the peripheral surface of the actuator to a tolerance of 0.005 inches or less.
- 6. The method of claim 1 wherein machining step (b) comprises advancing a machining tool about a periphery of the actuator while maintaining contact between the machining tool and the peripheral surface of the actuator.
- 7. The method of claim 1 wherein manufacturing step (a) comprises manufacturing the actuator such that the peripheral surface has a profile dimension that is greater than a desired final profile dimension, and wherein



machining step (b) comprises machining the peripheral surface to the desired final profile dimension.

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- 8. The method of claim 7 wherein manufacturing step (a) comprises manufacturing the actuator such that the peripheral surface has a profile dimension that is greater than the desired final profile dimension by an amount ranging from 0.020 inches to 0.030 inches.
- 9. The method of claim 1 wherein manufacturing step (a) comprises generating an extrusion having a cross-sectional shape substantially that of a desired top cross-sectional shape of the actuator.
- 10. The method of claim 9 wherein manufacturing step (a) further comprises cutting the extrusion into longitudinal sections, each longitudinal section corresponding to a single actuator.
- 11. The method of claim 1 wherein manufacturing step (a) comprises casting a material in a mold having a desired shape of the actuator.
- 12. The method of claim 1 wherein machining step (b) comprises machining substantially an entire height of a peripheral surface of the actuator.
- 13. A disc drive having an actuator manufactured according to a process comprising steps of:
 - (a) manufacturing a disc drive actuator; and
 - (b) machining a peripheral surface of the actuator to a desired profile dimension.



- 14. The disc drive of claim 13 wherein manufacturing step (a) comprises manufacturing the actuator such that the peripheral surface has a profile dimension that is greater than a desired final profile dimension, and wherein machining step (b) comprises machining the peripheral surface to the desired final profile dimension.
- 15. The disc drive of claim 13 wherein machining step (b) comprises advancing a machining tool about a periphery of the actuator while maintaining contact between the machining tool and the peripheral surface of the actuator.
- 16. The disc drive of claim 13 wherein machining step (b) comprises machining substantially an entire periphery of the actuator.
- 17. The disc drive of claim 13 wherein machining step (b) comprises machining the peripheral surface of the actuator to a tolerance of 0.010 inches or less.
- 18. The disc drive of claim 13 wherein manufacturing step (a) comprises generating an extrusion having a cross-sectional shape substantially that of a desired top cross-sectional shape of the actuator.
- 19. A disc drive comprising:

 a disc rotatable about a central axis; and
 actuator means for supporting and actuating a transducer relative to the
 disc and having a peripheral surface which is machined to a
 desired profile dimension within a tolerance that is defined for



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limiting variations in resonance characteristics of the actuator means.